

IN THE SPECIFICATION

On page 5 of the specification, please replace the last paragraph on the page that begins with "Referring next to Figure 2," with the following:

Referring next to Figure 2, after the image of the sample has been digitized and stored in the computer memory, as previously mentioned, the virtual slit is used to scan the image in memory. In Figure 2, an array of 49 pixels (7x7) is illustrated although, in practice, an array of 1040x1040 pixels is preferred. The virtual slit is illustrated as a rectangular box 4 pixels high by 2 pixels wide. In preferred embodiments, the virtual slit has a dimension (e.g., height) that is at least five times greater than the second dimension (e.g., width). Again, a preferred virtual slit is 31x3.